

Microphone and Musical Instrument Cables

Two-Conductor, Low-Impedance Cables



De-scription	Part No.	UL NEC / C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	

24 AWG • Stranded (105x44) 0.6 mm High-Conductivity (Oxygen-Free) BC • Conductors Cabled with Fillers • 97 % BC Double Spiral Braid

PVC Insulation • Matte Black PVC Jacket																		
300V RMS 80°C	9397		500	152	12.1	5.5	0.61 mm 24 AWG (105x44) BC	0.048	1.22	Overall Double Spiral + 97% BC Braid	0.176	4.47	47	-	CDR/CDR CDR/SCR	47 86	154 283	White, Green



0.22 mm²

Pulling Tension: 44 N

24 AWG • Stranded (32x0.1) 0.6 mm Bare Copper • Conductors Cabled with Fillers • 92 % Bare Copper Spiral Serve Braid

Polyethylene Insulation • PVC Jacket (Red, Yellow, Green, Blue, Grey, White and Black)																		
100V RMS 60°C	BE46349		328	100	9.3	4.2	0.6 mm 24 AWG (32x0.1) BC	0.057	1.45	Overall Spiral Serve + 92% BC Braid	0.240	6.10	-	-	CDR/CDR CDR/SCR	18 34	60 110	Red, Blue



0.25 mm²

Pulling Tension: 44 N

20 AWG • Stranded (26x34) 0.9 mm High-Conductivity (Oxygen-Free) TC • Cotton Wrap • Conductors Cabled • Rayon Braid • 85 % TC Braid

EPDM Rubber Insulation • EPDM Jacket (Black, Red, Yellow and Blue)																		
600V RMS 90°C	8412		100	31	5.2	2.4	0.94 mm 20 AWG (26x34) TC	0.083	2.11	Overall 85% TC Braid	0.262	6.65	52	-	CDR/CDR CDR/SCR	30 55	98 180	White, Black
			250	76	12.1	5.5												
			500	152	24.0	10.9												
			1000	305	46.0	20.9												
			1000	305	47.1	21.4												



0.52 mm²

Pulling Tension: 445 N
Red, Yellow or Blue available in 305 m put-up only.

Three-Conductor, Low-Impedance Cables

De-scription	Part No.	UL NEC / C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	

24 AWG • Stranded (105x44) 0.6 mm High-Conductivity (Oxygen-Free) Bare Copper • Double Spiral Braid • 97% Bare Copper Braid

PVC Insulation • Matte Black PVC Jacket																		
300V RMS 80°C	9398		1000	305	25.1	11.4	0.61 mm 24 AWG (105x44) BC	0.048	1.22	Overall Double Spiral + 97% BC Braid	0.185	4.70	47	-	CDR/CDR CDR/SCR	40 110	131 361	White, Green, Brown



0.22 mm²

Pulling Tension: 200 N

TC = Tinned Copper • BC = Bare Copper • EPDM = Ethylene Propylene Diene Monomer • DCR = DC resistance
SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Microphone and Musical Instrument Cables

Four-Conductor, Star-Quad



De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	

28 AWG • Stranded (19x40) 0.4 mm High-Conductivity (Oxygen-Free) Silver-Plated Copper Alloy • 78% Tinned Copper Braid

Polypropylene Insulation • Matte PVC Jacket (Red, Yellow, Blue, Beige and Black)

100V RMS 60°C	1804A*		100	31	1.6	0.7	0.38 mm 28 AWG (19x40) SPC	0.030	0.76	Overall 78% TC Braid	0.115	2.92	40	–	CDR/CDR CDR/SCR	40 60	131 196	see chart below
------------------	---------------	--	-----	----	-----	-----	----------------------------------	-------	------	----------------------------	-------	------	----	---	--------------------	----------	------------	--------------------

0.09 mm²

31 m put-up available in Black only.

2/c 23 AWG equivalent DCR when connected to a 3-pin XLR.
Pulling Tension: 106 N

26 AWG • Stranded (30x40) 0.5 mm High-Conductivity (Oxygen-Free) BC • Conductors Cabled • 95% TC French Braid® • 28 AWG BC Drain Wire

Polyethylene Insulation • Matte PVC Jacket (Red, Green, Yellow, Blue, Grey and Black)

100V RMS 60°C	1172A*		500	152	13.5	6.1	0.53 mm 26 AWG (30x40) BC	0.045	1.14	Overall French Braid® 95% TC + Drain Wire (28 AWG BC)	0.190	4.83	39	–	CDR/CDR CDR/SCR	39 57	129 188	see chart below
------------------	---------------	--	-----	-----	------	-----	---------------------------------	-------	------	---	-------	------	----	---	--------------------	----------	------------	--------------------

0.14 mm²

152 m put-up available in Black only.

2/c 23 AWG equivalent DCR when connected to a 3-pin XLR.
Pulling Tension: 164 N

24 AWG • Stranded (41x40) 0.6 mm High-Conductivity (Oxygen-Free) Bare Copper • Conductors Cabled • 95% Tinned Copper Braid

Polyethylene Insulation • Matte PVC Jacket (Red, Green, Yellow, Blue, Grey and Black)

100V RMS 75°C	1192A*		100	31	4.1	1.9	0.58 mm 24 AWG (41x40) BC	0.056	1.42	Overall 95% TC Braid	0.245	6.22	40	–	CDR/CDR CDR/SCR	39 57	129 188	see chart below
------------------	---------------	--	-----	----	-----	-----	---------------------------------	-------	------	----------------------------	-------	------	----	---	--------------------	----------	------------	--------------------

0.22 mm²31 m put-up available in Black only.
152 m put-up available in Blue or Black only.2/c 21 AWG equivalent DCR when connected to a 3-pin XLR.
Pulling Tension: 93 N

20 AWG • Stranded (26x34) 0.9 mm High-Conductivity (Oxygen-Free) TC • Cotton Wrap • Conductors Cabled • Rayon Braid • 85% TC Braid

EPDM Rubber Insulation • Cotton Wrap • Black EPDM Rubber Jacket

600V RMS 90°C	8424		100	31	6.8	3.1	0.91 mm 20 AWG (26x34) TC	0.083	2.11	Overall 85% TC Braid	0.294	7.47	52	–	CDR/CDR CDR/SCR	47 59	154 194	Black, White, Red, Green
------------------	-------------	--	-----	----	-----	-----	---------------------------------	-------	------	----------------------------	-------	------	----	---	--------------------	----------	------------	--------------------------------

0.52 mm²2/c 17 AWG equivalent DCR when connected to a 3-pin XLR.
Pulling Tension: 387 N

TC = Tinned Copper • BC = Bare Copper • SPC = Silver-Plated Copper • DCR = DC resistance

SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

* One Blue conductor and one White conductor are striped for use in MIDI and other four conductor applications.

▲ May contain more than one piece. Min. length of any one piece is 15 m (50 ft).

Color Code

Pair No.	Color
1	Blue
2	White
3	Blue with White Stripe
4	White with Blue Stripe

Special Cables



De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	

25 AWG • Stranded (7x33) 0.5 mm High-Conductivity Copper (Oxygen-Free) • (3) Strands TC, (4) Strands TCCS • Rayon Braid • 80% TC Braid

Rayon Braid, Rubber Insulation • Black EPDM Rubber Jacket																		
3000 VDC 60°C	8410		1640	500	18.5	8.4	0.53 mm 25 AWG (3x33, 4x33) TC, TCCS	0.154	3.91	Overall 80% TC Braid	0.245	6.22	52	-	CDR/CDR	33	108	-



Pulling Tension: 267 N

22 AWG • Stranded (7x0.25) Tinned Copper • Dual Twisted Pairs • Aluminum-Foil • 24 AWG (7x0.20) Drain Wire • 80% Tinned Copper Braid

Polyethylene Insulation • Overall Matte PVC Jacket (Black or Blue)																		
300V 70°C	BE43906		1640	500	68.8	31.2	0.75 mm 22 AWG (7x0.25) TC	0.053	1.35	Overall 80% TC Braid + Drain Wire (24 AWG TC)	0.268	6.80	110	-	CDR/CDR	21.3	70	White, Red, Green, Black



DMX512
0.34 mm²

1000 m put-up available in Black only.

22 AWG: 3105A - 1 Pair DMX512 (see Industrial section)
3107A - 2 Pair DMX512 (see Industrial section)
24 AWG: 9841, 9842, 9843 and 9844 (see Industrial section)

De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Shielding Material	Nominal OD		Compo- nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Component OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm

(2) Coax 20 AWG • Solid 0.8 mm Bare Copper • **Duofoil®** • **(4) Audio 22 AWG (7x30) Tinned Copper Shielded Pair**

Gas-Injected FPE Insulation (Coax) • Polypropylene Insulation (Conductors) • Black F-R PVC Jacket																	
300V RMS 75°C	1347A	NEC: CMR CEC: CMR FT4	500	152	232.2	105.3	-	0.630	16.00	2xVideo	2-Coax (1505A) 20 AWG 0.8 mm Solid BC	Duofoil® 100% 95% TC Braid	HDPE	PVC Black, White	0.233	5.92	
										4xAudio	4 Pair 22 AWG 0.8 mm (7x30) BC	Overall Beldfoil® 100% + Drain Wire (22 AWG TC)	Polypropylene	PVC Brown, Red, Orange, Yellow	0.135	3.43	each Pair



2 Coax + 4 Pair

Pulling Tension: 947 N

TC = Tinned Copper • TCCS = Tinned Copper-Covered Steel • BC = Bare Copper • DCR = DC resistance
SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Duofoil® see technical information page 23.13.